

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1585908

Luminaire Tested: 14CZSP-SB-75-L945-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L945-S
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 7200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

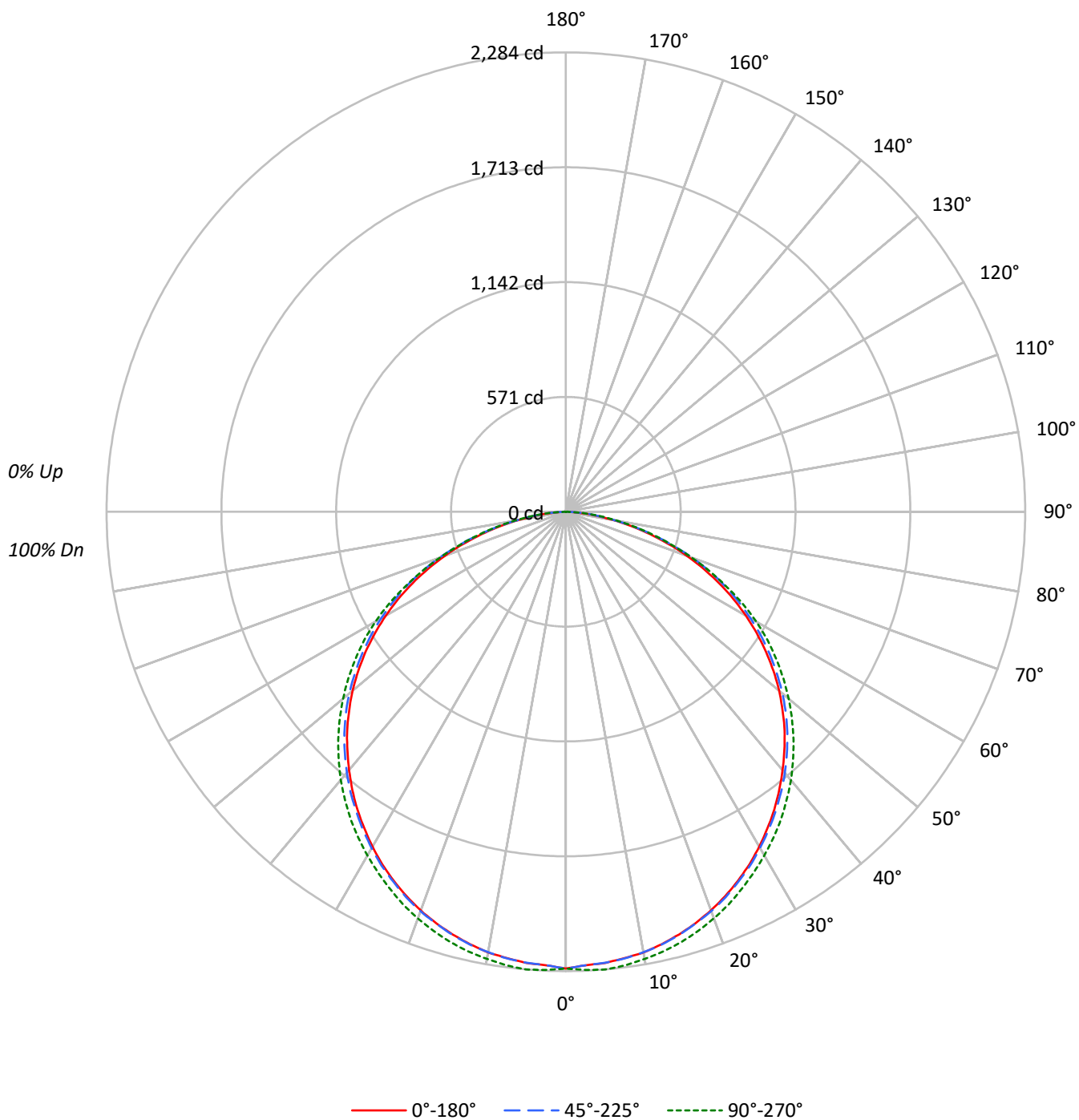
Lumens per Lamp: N/A
Luminaire Lumens: 6702.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1585908

CATALOG NUMBER: 14CZSP-SB-75-L945-S

Luminous Intensity Polar Plot



TEST NUMBER: P1585908

CATALOG NUMBER: 14CZSP-SB-75-L945-S

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7653	7653	7653
5°	7616	7612	7727
10°	7613	7609	7725
15°	7589	7597	7729
20°	7566	7580	7717
25°	7528	7547	7692
30°	7483	7515	7679
35°	7434	7480	7675
40°	7376	7453	7660
45°	7330	7423	7629
50°	7257	7370	7580
55°	7144	7277	7506
60°	6971	7151	7373
65°	6709	6963	7037
70°	6309	6602	6561
75°	5665	5905	5946
80°	4680	4919	5177
85°	3135	3650	3847

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7629 cd/sqm

TEST NUMBER: P1585908

CATALOG NUMBER: 14CZSP-SB-75-L945-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	3.2
10°-20°	618.7	9.2
20°-30°	942.2	14.1
30°-40°	1146.6	17.1
40°-50°	1208.8	18.0
50°-60°	1113.4	16.6
60°-70°	859.9	12.8
70°-80°	481.2	7.2
80°-90°	116.0	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1776.1	26.5
0°-40°	2922.8	43.6
0°-60°	5244.9	78.3
0°-90°	6702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2271	2271	2271	2271	2271	
5°	2252	2283	2250	2254	2284	214
15°	2176	2205	2178	2190	2216	614
25°	2025	2054	2030	2043	2069	933
35°	1807	1834	1818	1841	1866	1130
45°	1538	1560	1558	1581	1601	1185
55°	1216	1237	1239	1264	1278	1085
65°	842	866	873	882	883	831
75°	435	462	454	453	457	461
85°	81	89	94	106	100	104
90°	0	0	0	0	0	

TEST NUMBER: P1585908

CATALOG NUMBER: 14CZSP-SB-75-L945-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2271.1	2271.1	2271.1	2271.1	2271.1
2.5°	2256.7	2289.5	2256.7	2261.8	2280.3
5°	2251.6	2283.4	2250.5	2253.6	2284.4
7.5°	2238.2	2271.1	2240.3	2244.4	2274.1
10°	2224.9	2254.6	2223.9	2229.0	2257.7
12.5°	2202.3	2233.1	2204.4	2210.5	2239.2
15°	2175.6	2205.4	2177.7	2190.0	2215.6
17.5°	2144.8	2173.6	2146.9	2161.3	2185.9
20°	2109.9	2137.7	2114.0	2124.3	2152.0
22.5°	2068.9	2097.6	2075.1	2084.3	2114.0
25°	2024.8	2053.5	2029.9	2043.2	2068.9
27.5°	1976.5	2004.2	1983.7	2000.1	2022.7
30°	1923.2	1949.8	1931.4	1950.9	1973.5
32.5°	1865.7	1894.4	1876.0	1898.5	1921.1
35°	1807.2	1833.9	1818.5	1841.1	1865.7
37.5°	1743.6	1769.2	1757.9	1781.5	1804.1
40°	1676.9	1705.6	1694.3	1718.9	1741.5
42.5°	1608.1	1635.8	1626.6	1652.2	1671.7
45°	1538.3	1559.9	1557.8	1581.4	1600.9
47.5°	1461.4	1488.0	1483.9	1507.5	1525.0
50°	1384.4	1405.9	1405.9	1428.5	1446.0
52.5°	1301.3	1322.8	1322.8	1349.5	1363.9
55°	1216.1	1236.6	1238.7	1264.3	1277.7
57.5°	1125.8	1147.3	1151.4	1177.1	1189.4
60°	1034.4	1055.0	1061.1	1086.8	1094.0
62.5°	939.0	963.6	966.7	987.2	991.3
65°	841.5	866.1	873.3	881.5	882.6
67.5°	742.0	767.6	774.8	774.8	774.8
70°	640.4	664.0	670.1	666.0	666.0
72.5°	537.7	563.4	560.3	556.2	558.3
75°	435.1	461.8	453.6	452.6	456.7
77.5°	336.6	362.3	348.9	357.1	358.2
80°	241.2	260.7	253.5	265.8	266.8
82.5°	155.0	167.3	169.3	179.6	176.5
85°	81.1	89.3	94.4	105.7	99.5
87.5°	25.7	33.9	30.8	35.9	27.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585908

CATALOG NUMBER: 14CZSP-SB-75-L945-S

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	19.10	20.76	19.47	21.07	21.39	19.32	20.98	19.69	21.29	21.61
	3H	20.93	22.42	21.30	22.75	23.11	21.12	22.62	21.50	22.95	23.31
	4H	21.57	22.98	21.97	23.33	23.71	21.76	23.17	22.16	23.52	23.89
	6H	22.00	23.31	22.41	23.67	24.06	22.21	23.52	22.62	23.89	24.28
	8H	22.11	23.36	22.53	23.75	24.15	22.34	23.60	22.77	23.98	24.38
	12H	22.16	23.36	22.59	23.74	24.17	22.42	23.62	22.85	24.00	24.43
4H	2H	19.78	21.20	20.18	21.54	21.92	19.95	21.37	20.35	21.71	22.09
	3H	21.83	23.01	22.23	23.41	23.81	21.97	23.15	22.38	23.55	23.95
	4H	22.61	23.68	23.04	24.09	24.53	22.73	23.80	23.16	24.21	24.65
	6H	23.16	24.09	23.61	24.53	24.99	23.30	24.24	23.75	24.68	25.13
	8H	23.30	24.18	23.76	24.62	25.08	23.47	24.35	23.93	24.79	25.26
	12H	23.38	24.17	23.86	24.65	25.12	23.59	24.38	24.07	24.85	25.32
8H	4H	22.91	23.79	23.37	24.23	24.70	23.02	23.90	23.48	24.34	24.80
	6H	23.57	24.30	24.06	24.79	25.26	23.70	24.43	24.19	24.92	25.39
	8H	23.78	24.43	24.29	24.94	25.42	23.94	24.59	24.45	25.10	25.59
	12H	23.91	24.49	24.42	24.98	25.54	24.12	24.70	24.62	25.19	25.75
12H	4H	22.94	23.73	23.42	24.21	24.68	23.05	23.84	23.53	24.31	24.78
	6H	23.62	24.27	24.13	24.78	25.26	23.74	24.40	24.25	24.90	25.39
	8H	23.87	24.45	24.38	24.94	25.50	24.03	24.61	24.54	25.10	25.66